## CANDIDA PNEUMONIA

should be done to determine whether tissue invasion has occurred. If it is not possible to obtain tissue specimens, empirical amphotericin B therapy may be considered. (4) All efforts to correct reversible immunosuppressive factors in patients with established pulmonary candidiasis are justified. (5) The description of clinical data in this series has been skewed by the selection process and precludes the possibility of successful therapy. Delay in diagnosis may have been a factor in delay of therapy and in the progression of the disease to death.

## REFERENCES

- 1. Taschdjian CL, Kozinn PJ, Toni EF: Opportunistic yeast infections with special reference to candidiasis. Ann NY Acad Sci 174:606-622, 1963
- 2. Pillay VKG, Wilson DM, Ing TS et al: Fungus infection in steroid-treated systemic lupus erythematosus. JAMA 205:261-265, 1968
- 3. Baum GL: The significance of Candida albicans in human sputum. N Engl J Med 263:70-73, 1960
- 4. Haley LD, McCabe A: A mycological study of 71 autopsies. Am J Clin Pathol 20:35-38, 1950
- 5. Silva-Hutner M, Cooper BH: Medically important yeasts, In Lennette EH, Spaulding EH, Truant JP (Eds): Manual of Clinical Microbiology, 2nd Ed. Washington, American Society for Microbiology, 1974
- 6. Holman CW, Muschenheim C: Bronchopulmonary Diseases and Disorders. Hagerstown, Harper & Row, Inc, 1972

- 7. Winner HI, Hurley R: Candida albicans. Boston, Little, Brown & Co, 1964
- 8. Bode FR, Pare JAP, Fraser RG: Pulmonary diseases in the compromised host. Medicine (Baltimore) 53:255-293, 1974
- 9. Fraser RG, Pare PAJ: Diagnosis of Diseases of the Chest. Philadelphia, WB Saunders, Inc 1970
- 10. Masur H, Rosen PP, Armstrong D: Pulmonary disease caused by Candida species. Am J Med 63:914-924, 1977
- stimulate pulmonary tuberculosis. Am Rev Tuberc 16:541-574, 1927

  12. Mills SA, Seigler HF, Wolfe WG: The incidence and management of pulmonary mycosis in renal allograft patients. Ann Surg 182:617-626, 1975
- 13. Rifkind D, Marchioro TL, Schneck SA, et al: Systemic fungal infections complicating renal transplantation and immuno suppressive therapy. Am J Med 43:28-38, 1967
- 14. Bodey GP: Fungal infections complicating acute leukemia. J Chronic Dis 19:667-678, 1966
- 15. Louria DB, Stiff DP, Bennett B: Disseminated moniliasis in the adult. Medicine (Baltimore) 41:307-337, 1962
- 16. Wilson MJB, Martin DE: Quantitative sputum culture as a means of excluding false positive reports in the routine microbiology laboratory. J Clin Pathol 25:697-700, 1972
- 17. Anderson HA, Fontana RS: Transbronchoscopic lung biopsy for diffuse pulmonary diseases—Technique and results in 450 cases. Chest 62:126-128, 1972
- 18. Filice G, Armstrong D, Yu B: Candida immunodiffusion and agglutination tests in patients with neoplastic disease—Inconsistent correlation with invasive infections. J Infect Dis 135:349-
- 19. Goldstein E, Hoeprich PD: Problems in the diagnosis and treatment of systemic candidiasis. J Infect Dis 125:190-193, 1972
- 20. Goldstein G, Grieco MH, Fenkel G, et al: Studies on the pathogenesis of experimental Candida parapsillosis and Candida guilliermondii infections in mice. J Infect Dis 115:293-302, 1965
- 21. Edwards JE Jr, Foos RY, Montgomerie JZ, et al: Ocular manifestations of Candida septicemia: Review of seventy-six cases of hematogenous Candida endophthalmitis. Medicine (Baltimore) 53:47-75, 1974

## Salicylates and Reversible Hearing Loss

By FAR the most widely used of the ototoxic agents are the salicylates, and more specifically, aspirin. . . . The ototoxicity is usually heralded by the onset of tinnitus. However, there are other compounds, that should at least be mentioned in passing, that are of this family and can also cause hearing loss. One thinks of the methyl or the sodium salicylate used in dermatologic practice as an example. The two primary characteristics of salicylate hearing loss seem to be its symmetry and its high likelihood of reversibility. It is the latter quality—this reversibility—that allows for the common clinical practice in treating rheumatoid arthritis, wherein the aspirin dose is actually increased until the onset of tinnitus and subjective hearing loss, and then the dose is decreased until these symptoms disappear.

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